



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventor: Hiroaki SUDO et al. Group Art Unit: 2661

Appln. No.: 09/550,167 Examiner: R. Pizarro

Filed: April 14, 2000

For: OFDM RECEIVING APPARATUS, OFDM TRANSMISSION APPARATUS AND OFDM COMMUNICATION METHOD

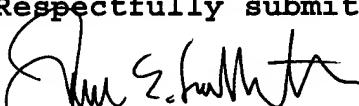
REQUEST FOR CONSIDERATION OF
INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, DC 20231

Dear Sir:

With respect to the Information Disclosure Statements filed April 14, 2000 and June 28, 2004, applicants respectfully request that the Examiner initial and return a copy of the previously supplied Form PTO-1449's indicating consideration of the references; for the convenience of the Examiner, a copy of the Form PTO-1449's are attached, as well as a copy of the IDS's and PTO date-stamped filing receipts.

Respectfully submitted,


James E. Ledbetter
Registration No. 28,732

Date: March 10, 2005

JEL/ejw
Attorney Docket No. JEL 31064
STEVENS, DAVIS, MILLER & MOSHER, L.L.P.
1615 L STREET, NW, Suite 850
P.O. Box 34387
WASHINGTON, DC 20043-4387
Telephone: (202) 785-0100
Facsimile: (202) 408-5200

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The Official Dating Stamp of the Patent and
Trademark Office Hereon is acknowledgment
of the filing c

COPY

New Patent Application: 57 pgs. Spec., 16 Claims, Abstract, 24 sheets of drwgs.
(Figs. 1-24); executed Declaration; PTO-1595 w/Assignment and check no.
13188 for \$40.00; Information Disclosure Statement w/PTO-1449 with two IEICE
Technical Reports (in Japanese) w/abstracts (in English) thereof and three sheets
of Applicants' comments; Claim for Priority w/one Japanese certified priority document;
and Preliminary Amendment.

Description

of paper: New Utility Patent Transmittal (in dup.) w/check no. 13187
for \$768.00

Name of

Applicants: Hiroaki SUDO et al.

Serial No.: New Patent Application

Atty. File No.: JEL 31064 Sender's Initials: JEL/lmq

STEVENS, DAVIS, MILLER & MOSHER, LLP.
1615 L Street, NW, Suite 850
P.O. Box 34387
Washington, DC 20043-4387





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors: Hiroaki SUDO et al.

Application No.: New Patent Application

Filed: April 14, 2000

For: OFDM COMMUNICATION APPARATUS

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the references listed on the attached Form PTO 1449.

Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106. Applicants respectfully request that this art be expressly

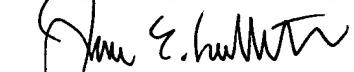
Information Disclosure Statement - H. SUDO et al.

April 14, 2000

Page 2

considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,



James E. Ledbetter
Registration No. 28,732

Date: April 14, 2000

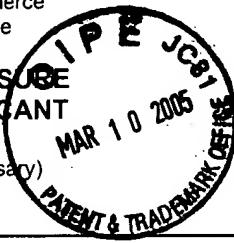
Attorney Docket No. JEL 31064

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FORM PTO-1449 U.S. Department of Commerce
(Rev. 4/92) Patent and Trademark Office

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)



ATTY. DOCKET NO.

JEL 31064

SERIAL NO.

New Patent Application

APPLICANT

Hiroaki SUDO et al.

FILING DATE

April 14, 2000

GROUP

Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION	
							YES	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Akinori Taira et al., "A Study on Timing Synchronization Technique for OFDM," Technical Report of IEICE, CS99-41, RCS99-33 (1999-06), pp. 49-54, in Japanese, with abstract in English thereof and two pages of comments provided by Applicants.
	Nobuaki Mochizuki et al., "Frequency and Timing Error Control Technique using a Broadcast Channel for OFDM," IEICE, Sogo Taikai (1999, B-5-10), p. 361, in Japanese, with abstract in English thereof and one page of comments provided by Applicants.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FILE COPY

LEVENS, DAVIS, MILLER & MOSHER, L.L.P.

1615 L Street, NW, Suite 850

Washington, DC 20036

THE PATENT AND TRADEMARK OFFICE OFFICIAL FILING DATE STAMP HEREON IS
ACKNOWLEDGMENT OF FILING:

- | | |
|--|---|
| <input type="checkbox"/> Amendment | <input type="checkbox"/> New Patent Application |
| <input type="checkbox"/> Response to Restriction Requirement | <input type="checkbox"/> Pages of Specification |
| <input type="checkbox"/> Supplemental Amendment | <input type="checkbox"/> Claims |
| <input type="checkbox"/> Election Requirement | <input type="checkbox"/> Declaration/Power of Attorney |
| <input type="checkbox"/> Claim for Priority w/
Certified Priority Document | <input type="checkbox"/> Abstract of the Disclosure |
| <input type="checkbox"/> Petition for Month Extension of Time | <input type="checkbox"/> Pages Formal/Informal Drawings |
| <input type="checkbox"/> Request for Consideration | <input type="checkbox"/> Assignment Document w/PTO-1595 |
| <input type="checkbox"/> Letter to Official Draftsman
with shts. of formal drwgs. | <input type="checkbox"/> Small Entity Declaration |
| <input type="checkbox"/> Issue Fee Transmittal (in dup.) | <input type="checkbox"/> Information Disclosure Statement |
| <input type="checkbox"/> Change of Address and Associate
Power of Attorney | <input type="checkbox"/> w/PTO-1449 w/3 JP docs., 1 EP doc.,
2 English Abstract; 1 JP Office Action
w/English translation thereof |
| <u>XX</u> Certification Under 37 CFR 1.97(e)(1) | |

APPLICANTS: Hiroaki SUDO, et al
TITLE: OFDM COMMUNICATION APPARATUS
DATE: April 14, 2000
DOCKET NO.: JEL 31064
APPLN. NO.: 09/550,167

DOCKETED

By PN on 06/29/2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re the Application of

Inventors: Hiroaki SUDO, et al. Art Unit: 2749

Application No.: 09/550,167 Examiner: R. Pizarro

Filed: April 14, 2000

For: OFDM COMMUNICATION APPARATUS

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, DC 20231

Dear Sir:

Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the documents listed on the attached Form PTO 1449. Attached is a Japanese Office Action dated March 30, 2004 with a partial English translation thereof. US '821 corresponds to JP '097. EP '241 corresponds to JP '131.

Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106. Applicants respectfully request that this art be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,

James E. Ledbetter
Registration No. 28,732

Date: June 30, 2004

JEL/mat

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re the Application

Inventor: Hiroaki SUDO, et al. Group Art Unit: 2749

Appln. No.: 09/550,167 Examiner: R. Pizarro

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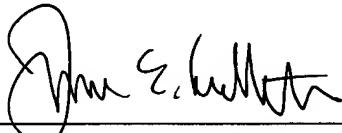
CERTIFICATION UNDER 37 CFR §1.97(e)(1)

Assistant Commissioner of Patents
Washington, DC 20231

Dear Sir:

In fulfillment of 37 CFR 1.97(c)(1) and 1.97(e)(1), it is hereby certified that each item of information contained in the attached Information Disclosure Statement was first cited in any communication (see the attached copy of a Japanese Office Action dated March 30, 2004) from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

Respectfully submitted,



James E. Ledbetter
Registration No. 28,732

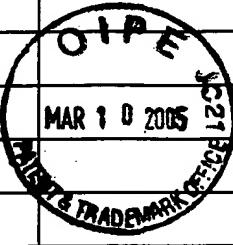
Date: June 28, 2004

JEL/mat

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FÔRM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office		ATTY. DOCKET NO. JEL 31064	SERIAL NO. 09/550,167
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Hiroaki SUDO, et al	
(Use several sheets if necessary)		FILING DATE April 14, 2000	GROUP 2749

U.S. PATENT DOCUMENTS



FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
													YES	NO	
	2000	2	0	1	1	3	1		07/2000	Japan				Abstract	
	2000	0	6	8	9	7	2		03/2000	Japan				Abstract	
	1	1	2	1	5	0	9	7	08/1999	Japan					
	1	0	7	3	2	4	1		01/2001	Europe					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Japanese Office Action dated March 30, 2004, with English translation

EXAMINER _____ **DATE CONSIDERED** _____

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.